## Amendments to the Claims:

- 1-118. (previously canceled)
- 119. (currently amended) An isolated polypeptide having at least 80% amino acid sequence identity to:
- (a) the amino acid sequence of the polypeptide of SEQ ID NO: 270 shown in Figure 188 (SEQ ID NO: 270);
- (b) the amino acid sequence of the polypeptide of SEQ ID NO: 270 shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270);
- (d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide; or
- (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209962,

wherein, said polypeptide induces chondrocyte redifferentiation.

- 120. (currently amended) The isolated polypeptide of Claim 39 having at least 85% amino acid sequence identity to:
- (a) the amino acid sequence of the polypeptide of SEQ ID NO: 270 shown in Figure 188 (SEQ ID NO: 270);
- (b) the amino acid sequence of the polypeptide of SEQ ID NO: 270 shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide;
- (e) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270);
- (d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide; or
- (e)(c) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209962,

wherein, said polypeptide induces chondrocyte redifferentiation.

- 121. (currently amended) The isolated polypeptide of Claim 39 having at least 90% amino acid sequence identity to:
- (a) the amino acid sequence of the polypeptide of SEQ ID NO: 270 shown in Figure 188 (SEQ ID NO: 270);
- (b) the amino acid sequence of the polypeptide of SEQ ID NO: 270 shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEO ID NO: 270);
- (d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide; or
- (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209962.

wherein, said polypeptide induces chondrocyte redifferentiation.

- 122. (currently amended) The isolated polypeptide of Claim 39 having at least 95% amino acid sequence identity to:
- (a) the amino acid sequence of the polypeptide of SEQ ID NO: 270 shown in Figure 188 (SEQ ID NO: 270);
- (b) the amino acid sequence of the polypeptide of SEQ ID NO: 270 shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ-ID-NO: 270);
- (d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide; or
- (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209962,

wherein, said polypeptide induces chondrocyte redifferentiation.

- 123. (currently amended) The isolated polypeptide of Claim 39 having at least 99% amino acid sequence identity to:
- (a) the amino acid sequence of the polypeptide of SEQ ID NO: 270 shown in Figure 188 (SEQ ID NO: 270);
- (b) the amino acid sequence of the polypeptide of SEQ ID NO: 270 shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide,
- (c) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEO ID NO: 270);
- (d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide; or
- (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209962.

wherein, said polypeptide induces chondrocyte redifferentiation.

- 124. (currently amended) An isolated polypeptide comprising:
- (a) the amino acid sequence of the polypeptide of SEQ ID NO: 270 shown in Figure 188 (SEQ ID NO: 270);
- (b) the amino acid sequence of the polypeptide of SEQ ID NO: 270 shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270);
- (d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide; or
- (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209962;

wherein, said polypeptide induces chondrocyte redifferentiation.

125. (currently amended) The isolated polypeptide of Claim 124 comprising the amino acid sequence of the polypeptide of SEQ ID NO: 270 shown in Figure 188 (SEQ ID NO: 270).

126. (currently amended) The isolated polypeptide of Claim 124 comprising the amino acid sequence of the polypeptide of SEQ ID NO: 270 shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide.

127-128. (canceled)

- 129. (previously presented) The isolated polypeptide of Claim 124 comprising the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209962.
- 130. (currently amended) A chimeric polypeptide comprising a polypeptide according to Claim 124 119 fused to a heterologous polypeptide.
- 131. (previously presented) The chimeric polypeptide of Claim 130, wherein said heterologous polypeptide is an epitope tag or an Fc region of an immunoglobulin.